

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A process for the extraction of ethanol from a solution, characterized by bringing the solution into contact with a bed of a salt $\text{Mg}_3(\text{PO}_4)_2$, whereby the salt adsorbs ethanol from the solution, removing the solution from the salt bed, heating of the salt bed in order to release the ethanol adsorbed thereby as ~~vapour~~ vapor and collecting the ethanol.

2. (Canceled).

3.(Previously Presented) A process according to Claim 1, wherein the salt preferentially adsorbs ethanol molecules from a low-grade ethyl-alcohol solution, whereby high-grade ethanol can be obtained from the low concentration alcohol solution, in a one-step process.

4. (Previously Presented) A process according to claim 1, wherein the solution consists of a low-grade ethyl-alcohol liquid which has been separated from a mash.

5. (Previously Presented) A process according to claim 1, wherein by passing a flow of the solution through the bed, sensing the ethyl-alcohol content of the solution leaving the bed, and stopping the input flow to the bed when the sensed alcohol content of the solution leaving the bed significantly raises above 0%, and collecting the solution leaving the bed and having an alcohol content of about 0%.

6. (Currently Amended) A process according to Claim 2 1, wherein the salt preferentially adsorbs ethanol molecules from a low-grade ethyl-alcohol solution, whereby high-grade ethanol can be obtained from the low concentration alcohol solution, in a one-step process.